

Amendment to the Claims:

This listing of claims will replace all versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A wireless voice over Internet Protocol telephone, comprising:

a wireless handset that comprises a wireless personal area network transceiver, a wireless local area network transceiver, and a selecting device;

wherein the selecting device selects the wireless personal area network transceiver when the wireless personal area network transceiver detects a wireless personal area network connection, otherwise the selecting device selects the wireless local area network transceiver;

wherein the selecting device is responsive to determining a connection with the personal area network transceiver is unavailable to send a signal to a controller via the wireless local area network transceiver to direct subsequent communications for the wireless handset via the wireless local area network; and

wherein the selecting device is responsive to determining a connection with the personal area network transceiver has been re-established to send a signal to the controller via the personal area network transceiver to direct subsequent communications for the wireless handset via the personal area network transceiver.

2. (Currently Amended) The wireless voice over Internet Protocol telephone of claim 1, further comprising a base station that comprises[[,]] a wireless personal area network transceiver for communicating with the wireless personal area network transceiver of the wireless handset.

3. (Original) The wireless voice over Internet Protocol telephone of claim 2, the base station further comprising a network interface card, wherein the base station notifies a wireless local area network when a wireless personal area network signal from the wireless handset is not detected.

4. (Original) The wireless voice over Internet Protocol telephone of claim 2, wherein the wireless personal area network transceiver of the base station is a Bluetooth transceiver and the wireless personal area network transceiver of the wireless handset is a Bluetooth transceiver.

5. (Original) The wireless voice over Internet Protocol telephone of claim 2, wherein the wireless personal area network transceiver of the base station is an infrared transceiver and the wireless personal area network transceiver of the wireless handset is an infrared transceiver.

6. (Currently Amended) The wireless voice over Internet Protocol telephone of claim 2, ~~further comprising a phone controller,~~ wherein the controller is a phone controller that is communicatively coupled to ~~[[the]]~~ at least one access point over a local area network, and to the base station.

7. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless local area network transceiver is an 802.11x transceiver.

8. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless personal area network transceiver is an infrared transceiver.

9. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless personal area network transceiver is a Bluetooth transceiver.

10. (Currently Amended) A system for sending and receiving voice over Internet Protocol packets associated with a voice communication using a wireless voice over Internet Protocol telephone, comprising:

a telephone, the telephone comprising[:]] a wireless handset having a wireless personal area network transceiver and a wireless local area network transceiver, and a base station having a network interface card and a wireless personal area network transceiver;

an access point; and

a controller, communicatively coupled to the base station and to the access point via a local area network;

wherein the wireless handset is responsive to determining it cannot communicate with the base station to initiate communication with the access point and send a wireless signal to the access point directed to the controller requesting the controller direct subsequent communications to the telephone through the access point; and

wherein the wireless handset is responsive to determining communication with the base has been reestablished to send a signal to the controller via the base unit requesting the controller direct subsequent communications to the telephone through the base station.

11. (Original) The system of claim 10, wherein the wireless local area network transceiver is an 802.11x transceiver.

12. (Original) The system of claim 10, wherein the wireless personal area network transceiver of the wireless handset and the wireless personal area network transceiver of the base station are one of the group consisting of a Bluetooth transceiver and an infrared transceiver.

13. (Original) The system of claim 10, wherein the local area network comprises one of a group consisting of an Ethernet network and a Token Ring network.

14. (Currently Amended) A method for a wireless handset to send and receive voice over Internet Protocol using a wireless voice over Internet Protocol telephone, comprising the steps of:

~~transmitting a communications signal over a wireless personal area network transceiver from the wireless handset to a base station;~~

determining when the wireless handset is out of range of the base station; ~~and~~

activating a wireless local area network transceiver-by the ~~base station~~wireless handset responsive to determining the wireless handset is out of range of the base station;

notifying a phone controller to send subsequent voice over Internet Protocol packets to the wireless handset via a local area network communicatively coupled to the wireless local area network transceiver responsive to determining the wireless handset is out of range of the base station; and

notifying the phone controller to send subsequent voice over Internet Protocol packets to the wireless handset via the base station responsive to determining the wireless handset has moved within range of the base station

15. (Original) The method of claim 14 wherein the wireless local area network transceiver is at a remote location and communicatively coupled to the base station.

16. (Original) The method of claim 14, further comprising the step of establishing a communications channel between a base station and a wireless handset using the wireless personal area network transceiver.

17. (Original) The method of claim 16, wherein the wireless personal area network transceiver is a Bluetooth transceiver.

18. (Original) The method of claim 16 further comprising authenticating the wireless handset by the base station.

19. (Original) The method of claim 18, wherein the wireless local area network transceiver is an 802.11x transceiver.

Claims 20 - 33. (Canceled)

34. (New) An apparatus, comprising:
a wireless handset configured for voice over Internet Protocol communications;
means for communicating with an associated base station;
means for determining when the wireless handset is out of range of the associated base station associated with the wireless handset;
means for activating a wireless local area network transceiver responsive to the means for determining the wireless handset is out of range of the base station determining that the wireless handset is out of range of the base station;

means for notifying a phone controller to send subsequent voice over Internet Protocol packets to the wireless handset via a local area network communicatively coupled to the wireless local area network transceiver responsive to the means for determining when the wireless handset is out of range of the associated base station associated with the wireless handset determining that the wireless handset is out of range of the base station; and

means for notifying the phone controller to send subsequent voice over Internet Protocol packets to the wireless handset via the base station responsive to the means for determining when the wireless handset is out of range of the associated base station associated with the wireless handset determining that the wireless handset has moved within range of the base station.

35. (New) The apparatus of claim 34, wherein the means for communicating with an associated base station comprises a Bluetooth transceiver.

36. (New) The apparatus of claim 34, wherein the wireless local area network transceiver is an 802.11x transceiver.

37. (New) The apparatus of claim 34, further comprising means for switching the wireless local area network transceiver to a power save mode responsive to the means for determining when the wireless handset is out of range of the associated base station associated with the wireless handset determining the wireless handset has moved within range of the base station.